Pro:Centric SMART
Set Top Box
STB-2000

Introduction

The STB-2000 is the latest addition to the Pro:Centric family and brings advanced Smart TV functionality to a wide variety of LGE and 3rd party televisions. Designed with multiple interfaces including MPI, MTI and LG TLM (RS-232) the STB-2000 has the ability to interface to most commercial grade televisions currently in use. The STB-2000 can be seamlessly integrated with televisions supporting a commercial control port to include new functionality and provide system integrators a cost effective means to deliver a common user experience across multiple brands of televisions. Consumer grade televisions lacking integrated control functionality are not supported.

The STB-2000 supports the same HTML5 development environment and API (Application Program Interface) as LG’s Pro:Centric IPTVs, so that the same third-party applications developed by LG’s System Integrator partners can also operate on the set-top-box.

Features

• Pro:Centric® Smart IPTV Platform:
  - Web Browser, Embedded Smart Apps
  - Guest Connectivity (Smart Share): Smart Mirroring, Wi-Fi Direct, Wi-Di, DLNA

• Embedded Pro:Idiom® decryption for non-Pro:Idiom TV’s

• IP Streaming and RF Tuning

• HD Channel Support (up to 1080p)

• Pro:Centric Application Support for non-Pro:Centric TVs
  - Interactive Electronic Program Guide
  - Gold Application with branded UI and electronic billboards

• Interfaces: Optical Digital Audio Out, HDMI In/Out, Composite AV, USB, LAN, Display Control 1 - TLM, Display Control 2 - MPI/MTI

• Rear of TV installation (VESPA pattern mounting points)

• Accessory Kit includes: PSU and Cables – HDMI, Control, (MPI, MTI, TLM), Composite AV adaptor

LGsolutions.com
The USB Cloning feature allows you to simply copy the STB’s settings onto all STB’s using a USB stick, a process that is fully automated to save time without having to set each STB one by one.

Using LG’s optional Pro:Centric server, you can remotely manage cloning and channel mapping for STB’s in guest rooms without having to visit each room.

The STB-2000 is the latest addition to the of Pro:Centric family that provides a unique and dedicated hotel application platform for hosting LG’s SI (System Integrator) Partners interactive applications, enabling delivery for a wide range of custom applications tailored to both hotel management and guest needs.

The STB-2000 is a full IPTV platform with built-in IP video decoding supporting both IP and RF connectivity. Leveraging the Pro:Centric IPTV platform enables SI Partners to integrate their client software directly into the STB to enable control of content on LG and other manufacturers commercial televisions.

The STB-2000 supports embedded Wi-Fi for streaming of content to the Television or back channel communications.

The STB-2000 also includes remote diagnostic tools for partners to manage their systems and monitor the STB’s on the network by the head-end or cloud based server for maintenance and admin purposes.

The STB-2000 can also host the LG Pro:Centric Free-to-Guest Application and deliver this to non-Pro:Centric televisions, enabling such features as the interactive electronic programme guide and digital billboards to view information on the property’s amenities.

Reduced Total Cost of Ownership

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PCS150R/200R HEAD-END SERVER
Remote management functions are supported via the Pro:Centric server which has an agile frequency QAM or IP output. The Pro:Centric Application software is also supported via the same server to deliver the benefits of LG’s Applications features (Weather, EPG, Billboards...)

EzManager’s auto configuration function makes installation quick and easy with simple steps to guide the installer to set up the STB, saving time and costs.

EZ Install provides an auto search and synch’ function with the Pro:Centric server data channel to simplify the installation process.

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Pro:Idiom
GLOBAL LEADING DIGITAL RIGHTS MANAGEMENT SYSTEM

Pro:Idiom unlocks access to premium content to help assure rapid and broad deployment of HDTV and other high value digital content.

Pro:Idiom has been designed specifically for users of premium HDTV content from cable, satellite, or video on demand (VOD) services, and is thus designed to lower costs and reduce maintenance needs. This leading DRM system is embraced for its security solution, which prevents illegal copying of copyrighted content.
## General Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>STB-2000</th>
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</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td>7.6” x 6.5” x 1.1”</td>
</tr>
<tr>
<td><strong>Weight (w/o package)</strong></td>
<td>1.1 lbs</td>
</tr>
<tr>
<td><strong>Weight (with package)</strong></td>
<td>3.1 lbs</td>
</tr>
<tr>
<td><strong>Operating Power/Standby Power</strong></td>
<td>15.8W (Typical measured value), 5.4W (EPA3.0/On Mode) 0.26W</td>
</tr>
<tr>
<td><strong>Safety</strong></td>
<td>UL, CSA</td>
</tr>
<tr>
<td><strong>ETC.</strong></td>
<td>RoHS, cUL, NOM, Energy Star 3.0</td>
</tr>
</tbody>
</table>

## Display

**IP Protocol**: HLS, UDP, RTSP, SNMP

**Coax**: 64/256 QAM, ATSC

## Resolutions Video

720p, 1080p, 1366 x 768

## Media Type

**Video Codec**: MPEG - 2/4

**Audio Codec**: AC3, PCM, MP3

## Decryption

**Pro:Idiom®**

## Input

**Coax**: Antenna/Cable In

**IR In**: External IR Receiver (not included)/3.3mm, 3.3V

**AV In**: Composite Video and L/R Audio

**HDMI**: 2

## Output

**Video Out**: HDMI

**Audio Out**: Optical

**Line Out**: Analog L/R

## Other Interface

**LAN (RU45)**: 10/100 LAN (1)

**TV Control 1**: TUM

**TV Control 2**: MPI/MTI

**USB**: USB 2.0 (2)

## UPC

7 19192 91769 9

## Accessory

**Included**: HDMI Cable Display Control Cable (MPI/MTI & TLM), Composite AV Adaptor Cable

**Exclude**: USB Camera (Only AN-VC400), Magic RCU

## Warranty

Two (2) Years

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### Special Features

**Pro:Centric**: Yes

**IP Streaming**

**MultiCast/HTTP Data Carousel**: Yes

**RF**: Yes (1 Tuner)

**Preloaded Applications (Pro:Centric Smart)**: Yes (Facebook, Twitter, Google Maps, AccuWeather, Internet Browser)

**Web Browser**: Yes

**MCAPI (HTTP/Web)**: Yes

**Instant On**: Yes

**EZManager**: Yes

**Smart Share/WiFi Direct/DLNA**: Yes (Smart Share)

**Smart Mirroring**: Yes

**WiDi (Intel)**: Yes

**Simplink (HDMI-CEC)**: Yes (1.3)

**HTNG-CEC 1.3**: Yes

**SI Compatible (TVlink Protocol)**: Yes (MPI protocol)

**Hotel Mode/Installer Menu**: Yes

**IR Pass Through**: Yes (MPI Jack)

**USB**: USB 2.0 (Media Host)

**Picture**: JPEG

**Audio Codec**: AC3 (Dolby Digital), EAC3, AAC, Mpeg, MP3, PCM

**USB Cloning**: Yes

**One Channel Map/Logical Channel Map**: Yes (ICM)

**Multi IR Code**: Yes

**Auto Off/Auto Sleep**: Yes

**Video Mute**: Yes

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**Keeping Your World Connected™**